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APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 10/750,576 12/30/2003 Jay R. Machael 087522-785-336 28104 7590 12/14/2004 **EXAMINER JONES DAY** WHITE, RODNEY BARNETT 77 WEST WACKER ART UNIT PAPER NUMBER CHICAGO, IL 60601-1692 3636

DATE MAILED: 12/14/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

,	Application No.	Applicant(s)	
Office Action Summary	10/750,576	MACHAEL ET A	7
	Examiner	Art Unit	
	Rodney B. White	3636	
The MAILING DATE of this communication Period for Reply	on appears on the cover sheet wi	th the correspondence address	
A SHORTENED STATUTORY PERIOD FOR F THE MAILING DATE OF THIS COMMUNICAT - Extensions of time may be available under the provisions of 37 of after SIX (6) MONTHS from the mailing date of this communicat - If the period for reply specified above is less than thirty (30) days - If NO period for reply is specified above, the maximum statutory - Failure to reply within the set or extended period for reply will, by Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	CION. CFR 1.136(a). In no event, however, may a rion. s, a reply within the statutory minimum of third period will apply and will expire SIX (6) MON y statute, cause the application to become AB	pply be timely filed y (30) days will be considered timely. THS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on	14 May 2004.		
· _ ·	This action is non-final.		
3) Since this application is in condition for a closed in accordance with the practice un	·		
Disposition of Claims			
4) ☐ Claim(s) 1-17 is/are pending in the application 4a) Of the above claim(s) is/are with 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-17 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction	ithdrawn from consideration.	·	
Application Papers			
9) The specification is objected to by the Ex			
10)☐ The drawing(s) filed on is/are: a)[
Applicant may not request that any objection			
Replacement drawing sheet(s) including the 11) The oath or declaration is objected to by	·	,	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for for a) All b) Some * c) None of: 1. Certified copies of the priority docu 2. Certified copies of the priority docu 3. Copies of the certified copies of the application from the International E * See the attached detailed Office action for	uments have been received. uments have been received in A e priority documents have been Bureau (PCT Rule 17.2(a)).	pplication No received in this National Stage	
Attachment(s)			
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-93) Information Disclosure Statement(s) (PTO-1449 or PTO/Paper No(s)/Mail Date 12/10/04. 	48) Paper No(Summary (PTO-413) s)/Mail Date nformal Patent Application (PTO-152) 	

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

Claims 1-17 are rejected under 35 U.S.C. 102(b) as being anticipated by Parrish et al (U.S. Patent No. 5,556,169).

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Parrish et al teach the structure as claimed (See Figures 1-2B and specification)

Claims 1, 4, 9, 11-13, and 16-17 are rejected under 35 U.S.C. 102(b) as being anticipated by Ridder (U.S. Patent No. 5,860,705).

Ridder teaches the structure as claimed (See Figures 1-6 and specification).

Claims 1, 4, 9, 11-13, and 16-17are rejected under 35 U.S.C. 102(e) as being anticipated by Park et al (U.S. Patent Application Publication No. 2004/0021361 A1).

Park et al teach the structure as claimed (See Figures 5-6 and 9 and the specification).

Claims 1-17 are rejected under 35 U.S.C. 102(e) as being anticipated by Lin (U.S. Patent Application Publication No. 2004/0232756 A1).

Lin teaches the structure as claimed (See Figures 1-10 and specification).

Claims 1, 4-9, and 11-17 are rejected under 35 U.S.C. 102(b) as being anticipated by Catelas (Patent No. FR 2557441 A1).

Catelas teaches the structure as claimed (See Figures 1-12 and specification)

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Surber, Smith, Orr, III, Sobel et al, Yates, Clapper, and VanSickle, teach structures and concepts similar to the present invention.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rodney B. White whose telephone number is (703) 308-2276.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Cuomo can be reached on (703) 308-0827. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Rodney B. White, Patent Examiner Art Unit 3636 December 10, 2004

RODNEY BAWHITE PRIMARY EXAMINER